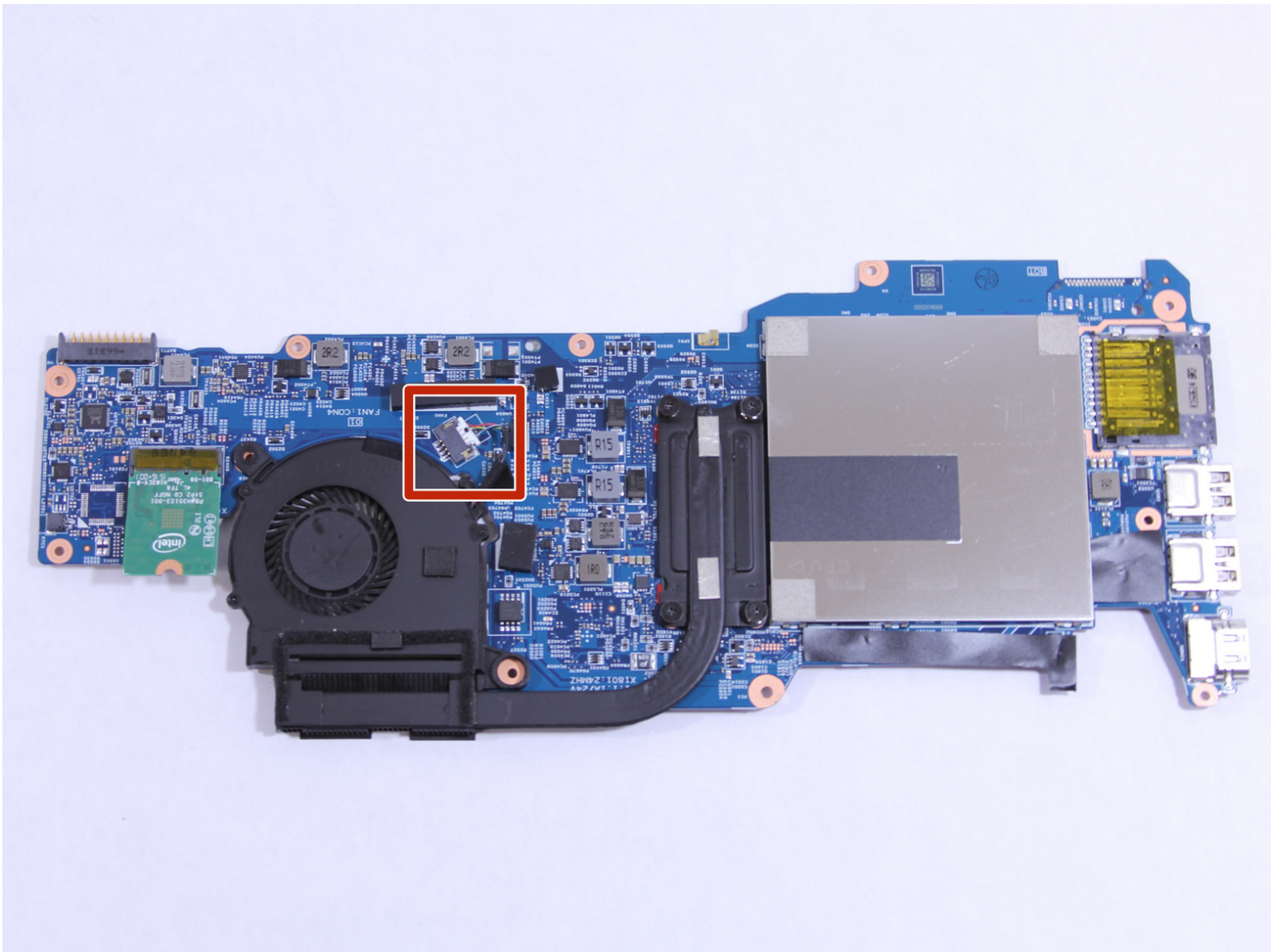




HP Pavilion x360 m3-u001dx Fan Replacement

This guide will help you replace the internal fan on the HP Pavilion x360 m3-u001dx.

Written By: Jonathan



INTRODUCTION

If the laptop is hotter than usual or is making noises, use this guide to replace the fan.

TOOLS:

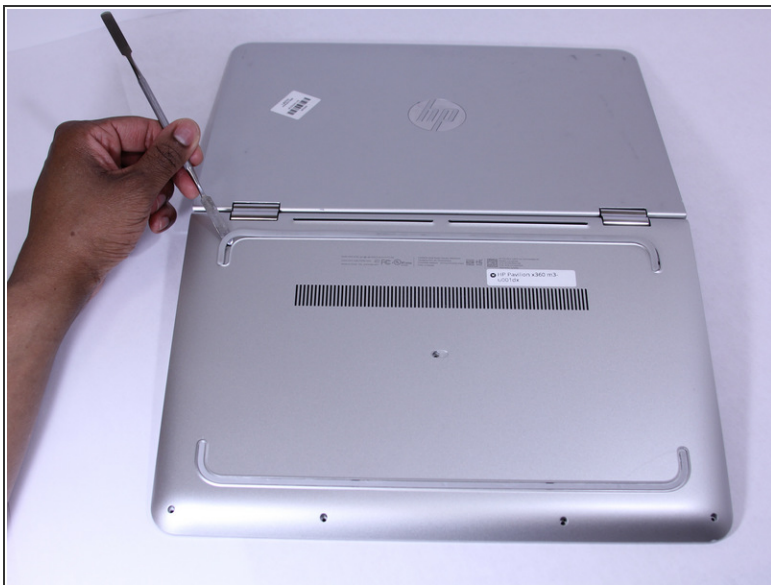
- [Heavy-Duty Spudger](#) (1)
 - [Phillips #00 Screwdriver](#) (1)
 - [Metal Spudger](#) (1)
 - [iFixit Opening Tools](#) (1)
-

Step 1 — Keyboard



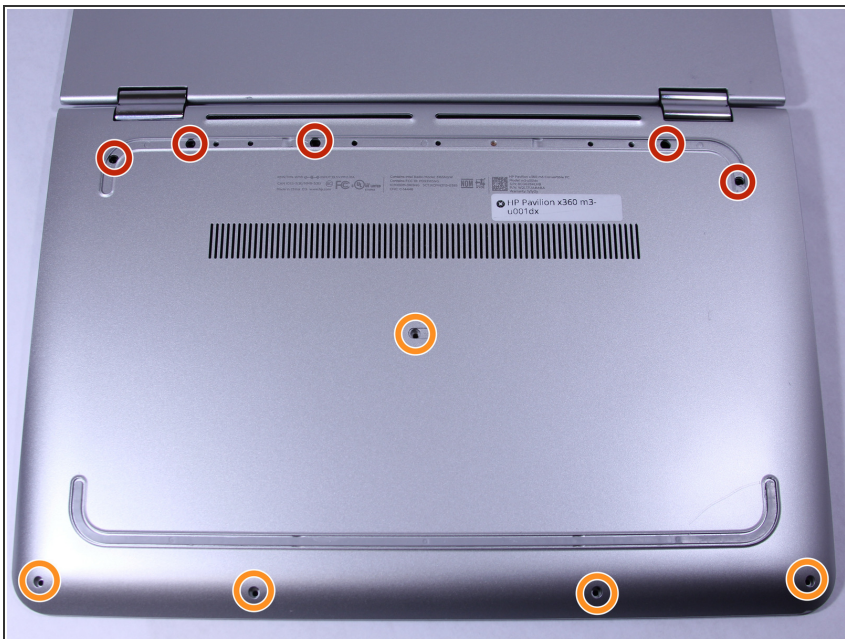
- Shut down the computer.
 - Disconnect the power and all external devices connected to the computer.
- ⚠ Working on your device while it is turned on may result in electric shock.

Step 2



- Use a Metal Spudger and remove the rubber foot closet from the bottom of the laptop.

Step 3



- Remove all of the screws located on the bottom of the laptop:
 - 5 Phillips 2.4 x 5.7 mm screws
 - 5 Phillips 2.0 x 5.0 mm screws
 - ① Make special note of each screw and screw lock size and location during removal and replacement.


Step 4



- Turn the computer over onto its base, with the computer open and the keyboard facing upward.

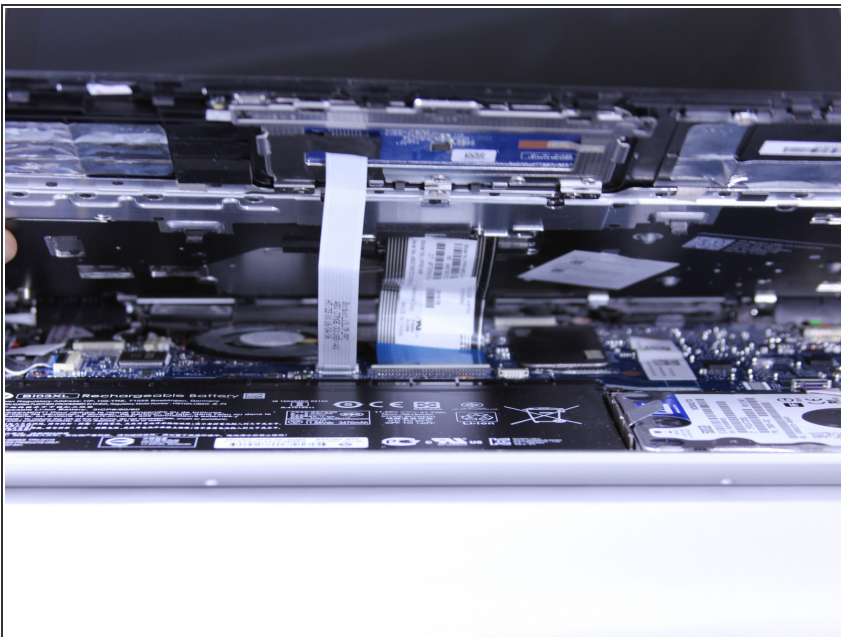
Step 5




 The keyboard is attached internally by clips. Use a small amount of force when removing the keyboard.

- Use the Plastic Opening Tool to separate the keyboard from the base of the laptop.

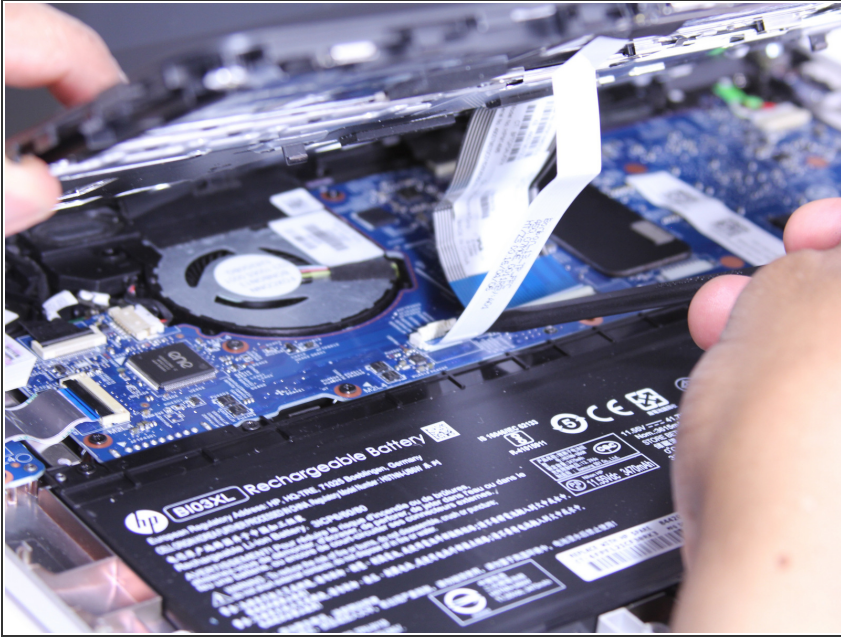
Step 6



- Raise the keyboard slightly to access the touch pad and keyboard cables.

 Raising the keyboard too far or with excessive force may cause damage to the keyboard, touch pad cables, or their connectors.

Step 7



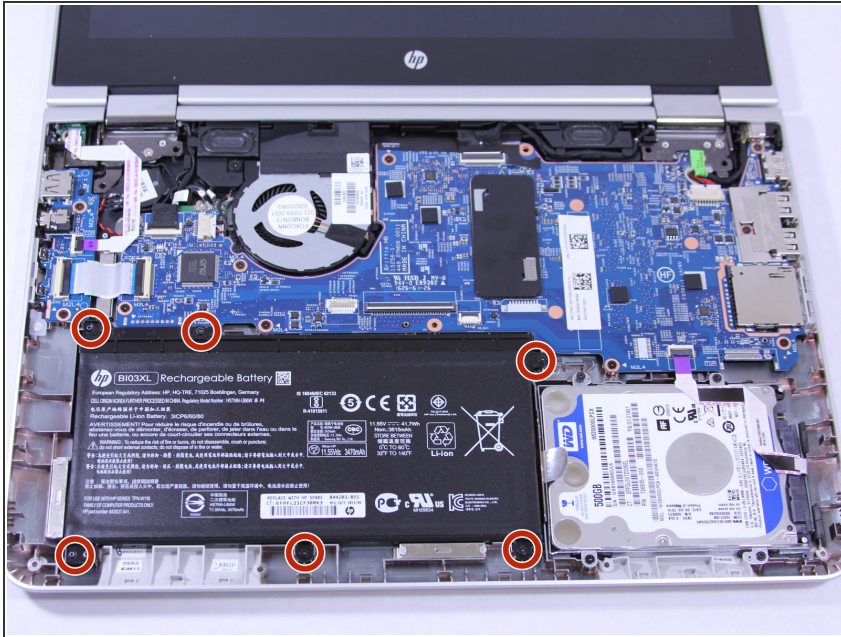
- Disconnect the ribbon cables attaching the touch pad and keyboard to the system board (motherboard).
- Using the Heavy-Duty Spudger lift up the plastic locks connecting the ribbon cable to the motherboard.
- Use the blue plastic tab on the ribbon cable to pull it out from the lock on the motherboard.

Step 8



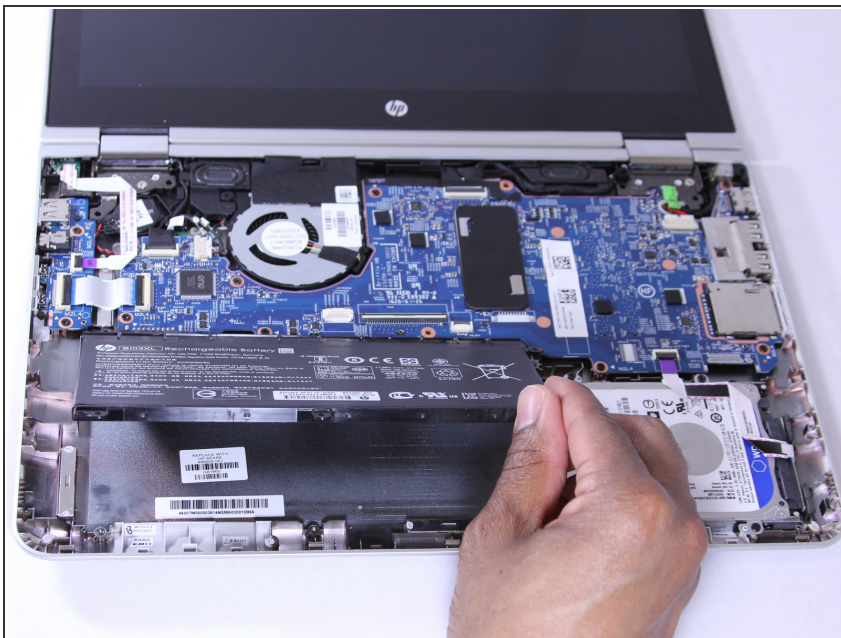
- Lift the keyboard away from the base of the laptop.

Step 9 — Battery



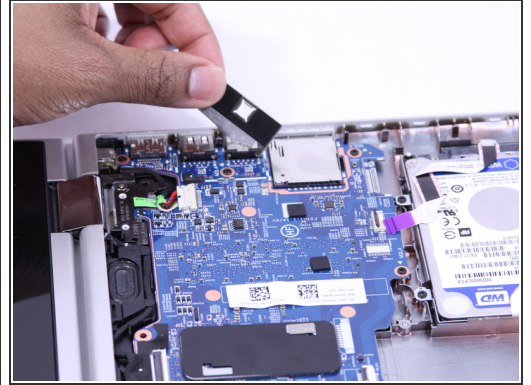
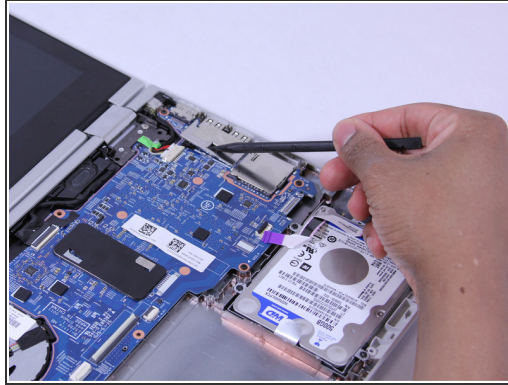
- Using the Phillips 00 Screwdriver, remove 6 Phillips 2.0 x 4.6 mm screws from the perimeter of the battery.
- ⓘ Make special note of each screw and screw lock size and location during removal and replacement.

Step 10



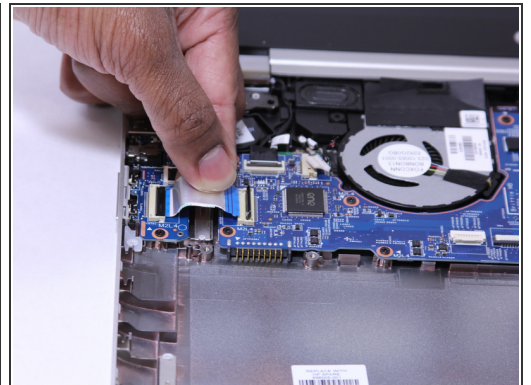
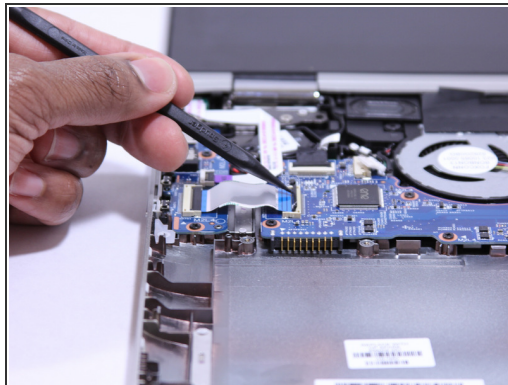
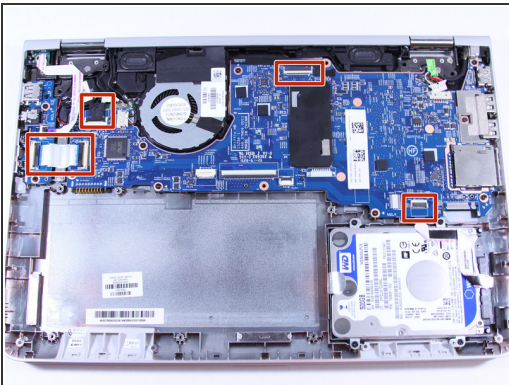
- ⚠ Carefully lift the battery up from lower right corner and disconnect it from the motherboard.

Step 11 — USB Port Shield



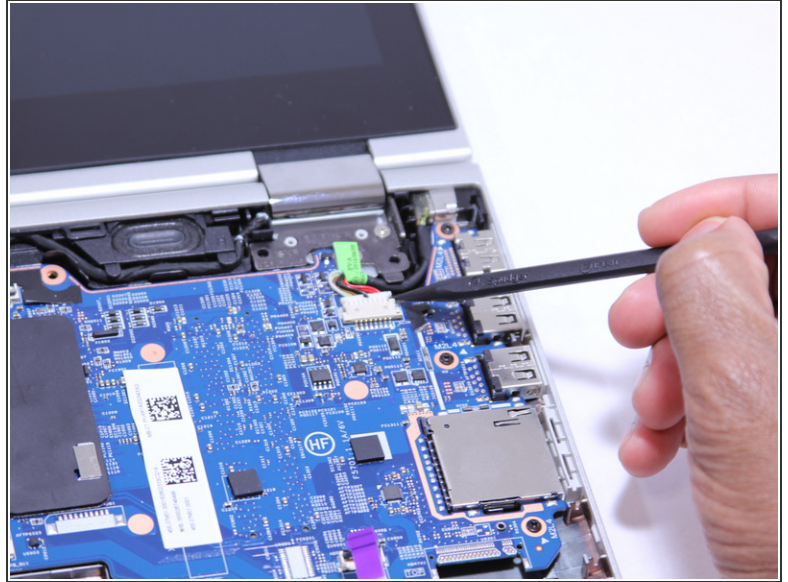
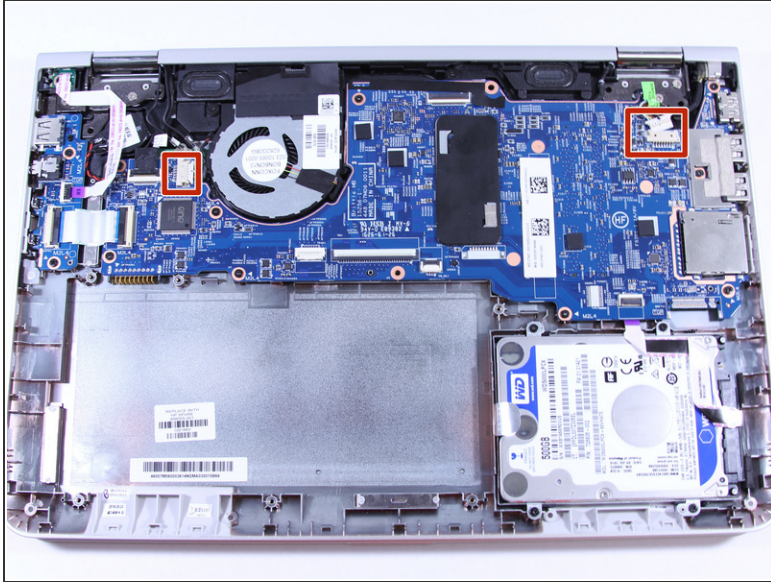
- Remove the adhesive strip.
- Lift the shield away from the base of the laptop.

Step 12 — System Board (Motherboard)



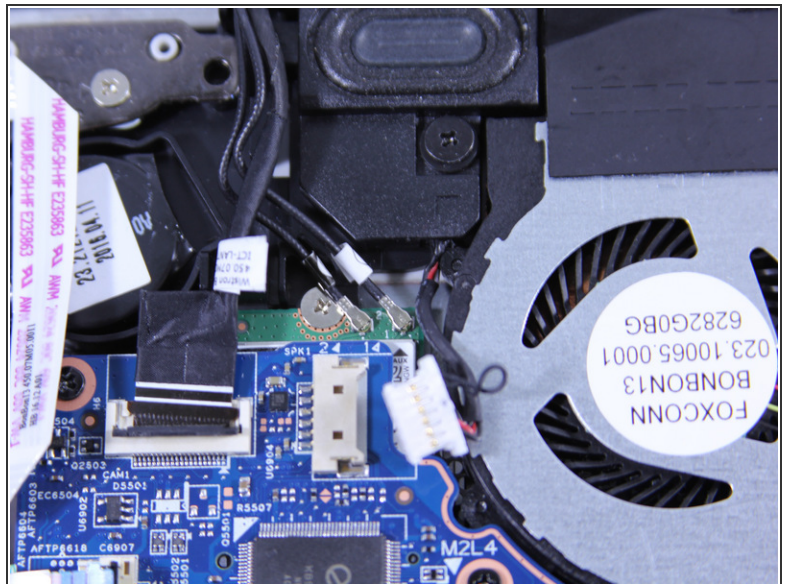
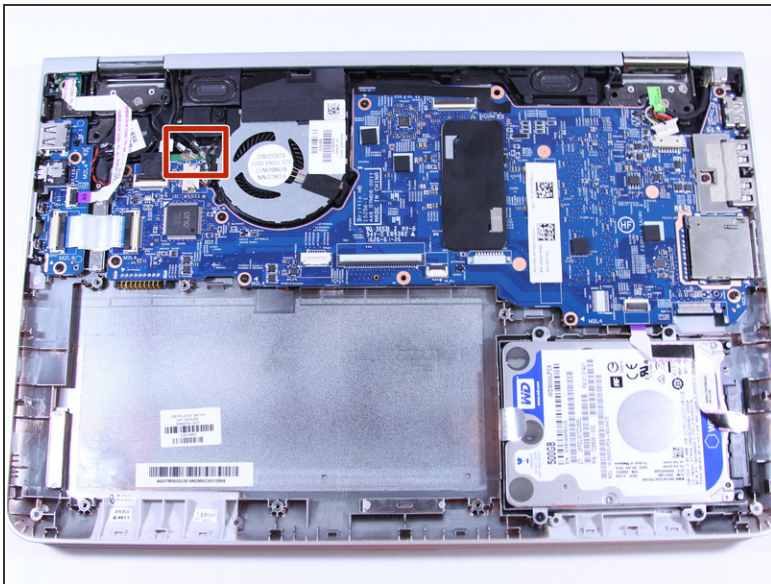
- Disconnect the ribbon cables attached to the system board (motherboard).
 - Using the Heavy-Duty Spudger lift up the plastic locks connecting the ribbon cable to the motherboard.
 - Use the plastic tab on the ribbon cable to pull it out from the lock on the motherboard.

Step 13



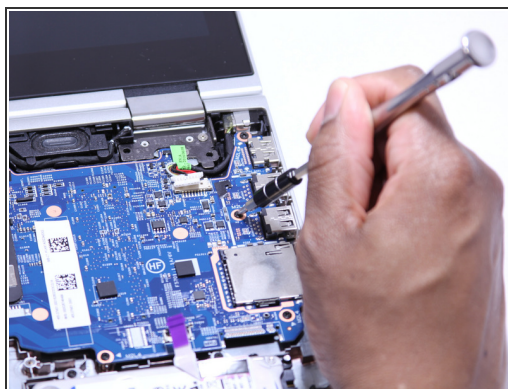
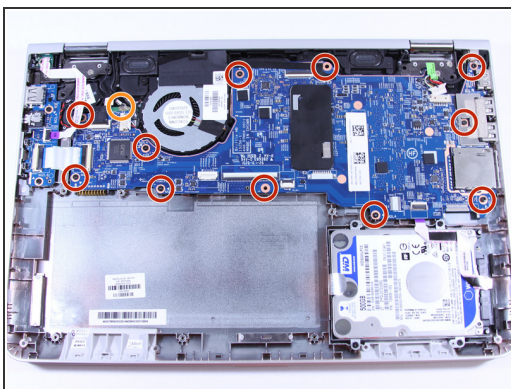
- Disconnect the fastened cables from the system board (motherboard) by carefully pushing the cable's plastic edges using the Heavy Duty Spudger.

Step 14



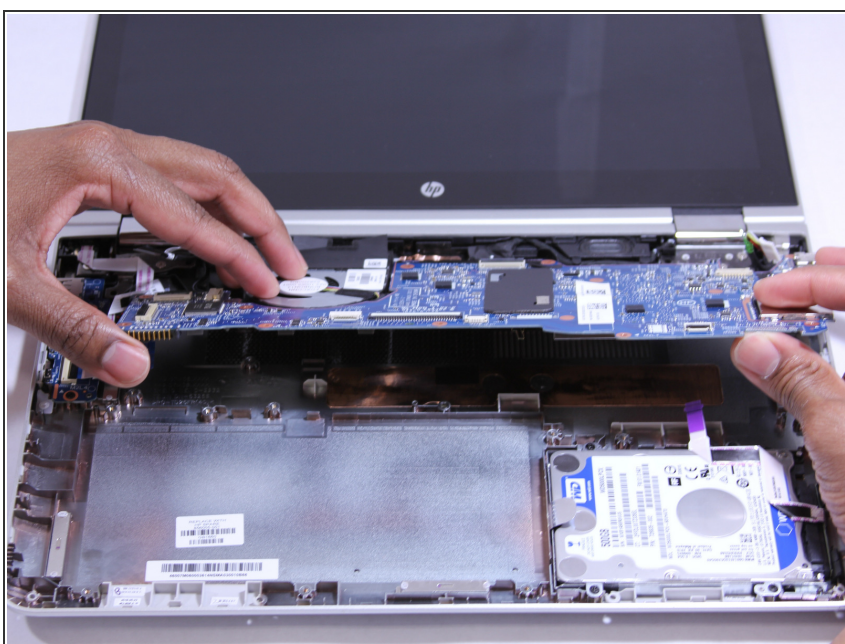
- Pull the clipped cables from system board (motherboard).

Step 15



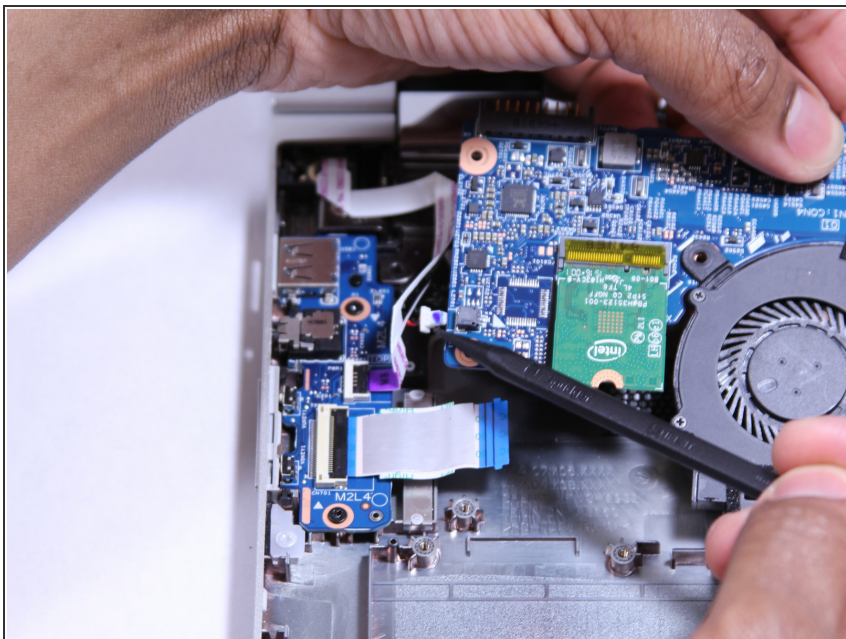
- Remove the system board (motherboard).
 - Using the Phillips 00 Screw Driver, remove 11 Phillips 2.0 x 4.7 mm screws.
 - Using the Phillips 00 Screw Driver, remove the silver screw.
- ⓘ Make special note of each screw and screw lock size and location during removal and replacement.

Step 16



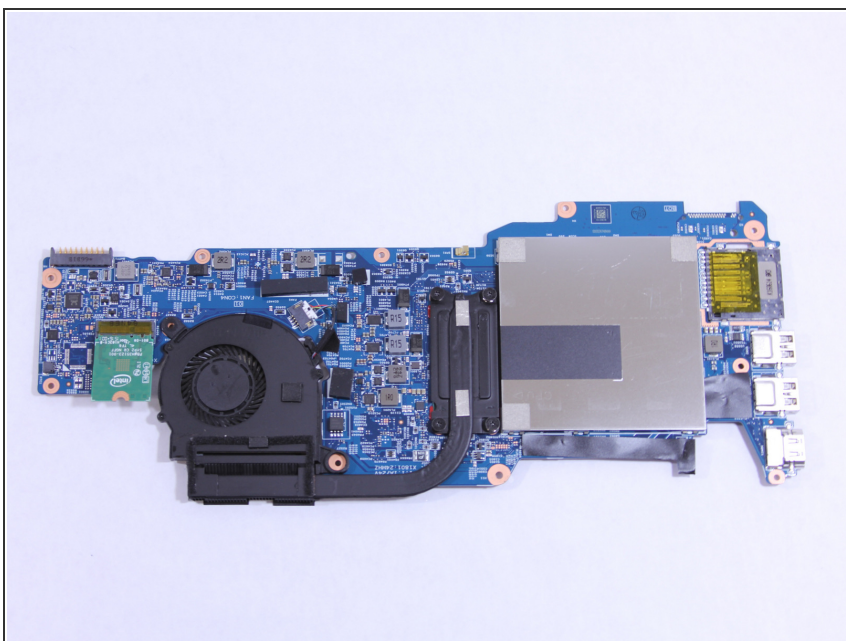
⚠ Carefully lift the front side of the system board (motherboard).

Step 17



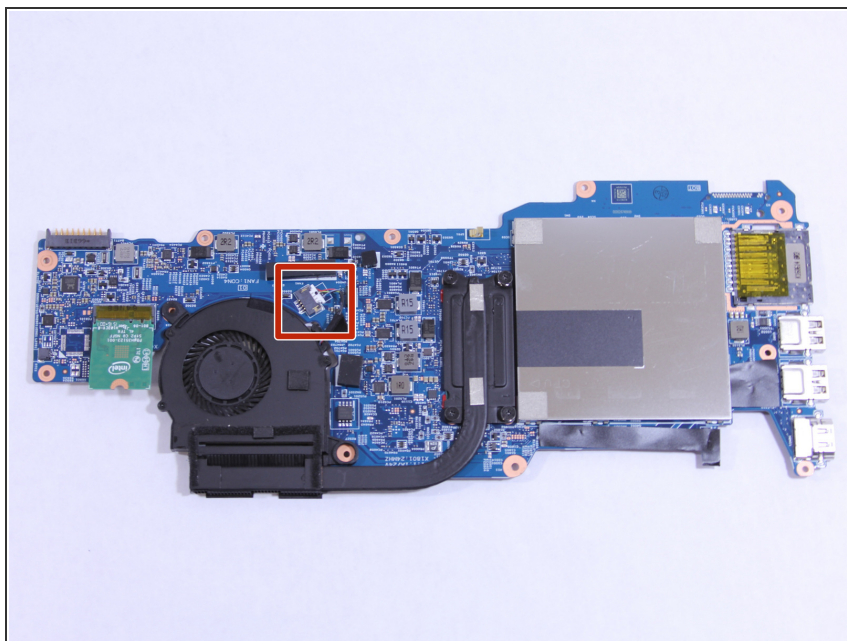
- Using a Heavy Duty Spudger, disconnect the black and red RTC battery cable on the left side of the system board (motherboard).

Step 18



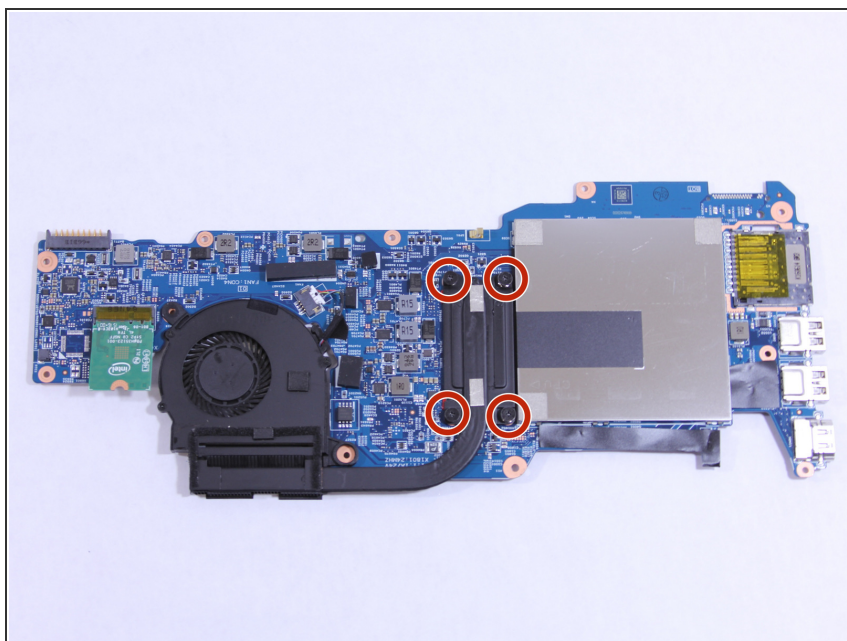
- Release the system board (motherboard) from the base enclosure.
- ⚠ Place the motherboard somewhere safe since it is the most delicate and expensive part of the laptop.

Step 19 — Fan



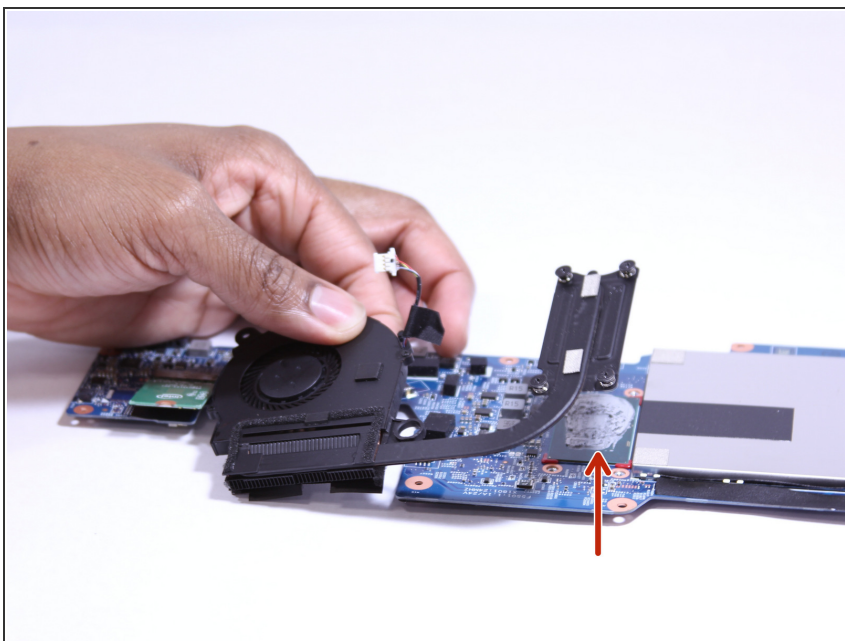
- Disconnect the fastened cables from the system board (motherboard) by carefully pushing the cable's plastic edges using the Heavy Duty Spudger.

Step 20



- Using the Phillips 00 Screw Driver, remove 4 screws from the heat sink.
- ⓘ Make special note of each screw and screw lock size and location during removal and replacement.

Step 21



- Remove any adhesive tape attaching the fan/heat sink to the system board (motherboard).
- ⚠ The grey paste under the fan/heat sink is thermopaste, it keeps the processor cool.
- Detach the fan/heat sink.

Follow these instructions in reverse order to reassemble your device.

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